Expressing Equations

Name:

Solve each problem.

1) The combined weight of 24 concrete blocks is 265.20 kilograms. Write an equation that can be used to express the relationship between the total weight(t) and the number of concrete blocks(b) you have.

2) Using a water hose for 74 minutes used up 82.88 total gallons of water. Write an equation that can be used to express the relationship between the total gallons used (t) and the minutes(m) used.

3) You can buy 22 pieces of chicken for $41.36. Write an equation that can be used to express the relationship between the total price(t) and the pieces of chicken(c) you buy.

4) A company used 630.00 lemons to make 90 bottles of lemonade. Write an equation that can be used to express the relationship between the total number of lemons needed (t) for each bottle of lemonade (b).

5) Using 38 boxes of nails a carpenter was able to finish 76.00 bird houses. Write an equation that can be used to express the relationship between the total number of birdhouses completed(t) and the boxes of nails(b) used.

6) A school fundraiser sold 20 candy bars and earned 46.80 dollars total. Write an equation that can be used to express the relationship between the total amount earned(t) and each candy bar sold(b).

7) Lana traveled 2.04 kilometers in 12 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled(t) and the minutes(m) it took.

8) A phone store earned $28.70 after they sold 14 phone cases. Write an equation that can be used to express the relationship between the total money earned (t) and the number of cases(c) sold.

9) It cost $1,432.08 for 78 pounds of beef jerky. Write an equation that can be used to express the relationship between the total cost(t) and the pounds of beef jerky(p) purchased.

10) A school had to buy 59 new science books and it ended up costing $1,587.69 total. Write an equation that can be used to express the relationship between the total cost(t) and the number of books(b) purchased.

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

Expressing Equations Name: **Answer Key**

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Answers

1. **t = b11.05**
2. **t = m1.12**
3. **t = c1.88**
4. **t = b7.00**
5. **t = b2.00**
6. **t = b2.34**
7. **t = m0.17**
8. **t = c2.05**
9. **t = p18.36**
10. **t = b26.91**

1-10	90	80	70	60	50	40	30	20	10	0